EAST Search History

Ref#	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
_4	82	(US-20070069003-\$ or	US-PGPUB;	OR	OFF	2009/05/05
		US-20040168559-\$ or US-	USPAT:		1	14:18
		20040112188-\$ or US-	USOCR; EPO:			
		20060060046-\$ or US-	JPO; DERWENT			
		20010006016-\$ or US-	,			
		20040149115-\$ or US-				
		20010042427-\$ or US-				
		20060096434-\$ or US-				
		20030115927-\$ or US-			1	
		20050263520-\$ or US-				
		20060168792-\$ or US-				
		20070251362-\$).did. or			1	
		(US-6598505-\$ or US-				
		6305258-\$ or US-				
		3974728-\$ or US-			i i	
		5413018-\$ or US-				
		5320013-\$ or US-				
		5692423-\$ or US-				
		5448933-\$ or US-				
		3583266-\$ or US-		-		
		4007653-\$ or US-		-		
		6240818-\$ or US-		6		
		7024978-\$ or US-				
		7343770-\$ or US-		-		
		RE37323-\$ or US-		-		
		6880441-\$ or US-				
		3683736-\$ or US-				
		3634916-\$ or US-				
		6370931-\$ or US-				
		5257644-\$ or US-		***************************************		
		3699719-\$ or US-		*		
		4343111-\$ or US-				
		4992639-\$ or US-		-	-	
		5195410-\$ or US-				
		5303510-\$ or US-			i i	
		6612906-\$ or US-				
		2850854-\$ or US-				
		7063596-\$).did. or (US-			-	
		6036578-\$ or US-				
		6391042-\$ or US-				
		5862728-\$ or US-				
		4671149-\$ or US-				
		4747895-\$ or US-				
		4160055-\$ or US-				
		3640167-\$ or US-				
		3739669-\$ or US-				
		2651148-\$ or US-			-	
		2774193-\$ or US-				
		5134911-\$ or US-				
		3555950-\$ or US-				
	1	3595453-\$ or US-	1	-		1

		3817141-\$ or US 4409659-\$ or US 5944924-\$ or US 6995022-\$ or US 6995022-\$ or US 6995022-\$ or US 698609-\$ or US 669809-\$ or US 416398-\$ or US 3416398-\$ or US 3416398-\$ or US 3416398-\$ or US 4132519-\$ or US 24027959-\$ or US 289896-\$ or US 2404793-\$), did. or (US 280896-\$ or US 2404793-\$), did. or (US 2808986-\$ or US 2404793-\$), did. or (US 2808986-\$ or US 2404793-\$), did. or (US 2808983-\$ or UP 2805138130-\$ or JP 200154895-\$ or JP 200154895-\$ or JP 20016233-\$, did. or (SU 431016-\$ or JP 2001623-\$, or JP 2001162331-\$ or JP 2001162331-\$ or JP 2001162331-\$ or JP 200126895-\$ or JP 2001269895-\$ or JP 2001269895-\$ or JP 2001269895-\$ or JP 2001269895-\$ or JP 2002028031-\$ or DI 2183525-C-\$ or WO 2005039800-A-\$ or JP 2006043904-\$, or JP				
L5	16	4 and (piezo piezoelectric)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/05/05 14:18
L6	4	4 and jump	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/05/05 14:21
L7	100098	("83").QLAS.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/05/05 14:25
L8	13	7 and (hammer adj punch)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/05/05 14:25
L9	10	("1716414" "3640167" "3700150" "3739669" "5156076").PN. OR ("5413018").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/05/05 14:43

L10	16	("3107567" "3211034" "3700150" "3765285" "4524660" "4653365" "5042336" "5253559" "5320013" "5413018" "5448933" "Re34602"). PN. OR ("5692423"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/05/05 14:46
L11	12	("3700150" "3878746" "4362078" "4477537" "5095725" "5163223" "5205147").PN. OR ("5320013").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/05/05 15:03
S1	1	("20070069003").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/04/21 13:59
S2	7	(teruie same takemasu). in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/04/21 13:59
S3	2	(ichiki same terashima). in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/04/21 14:00
S4	392	(83/686).COLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/04/21 14:00
S5	23	S4 and vibrat\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/04/21 14:01
S6	1754	(83/684-689).COLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/04/21 14:07
S7	35	(S6 and vibrat\$4) not S5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/04/21 14:07
S8	10	("1716414" "3640167" "3700150" "3739669" "5156076").PN. OR ("5413018").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/04/21 14:14
S9	16	("3107567" "3211034" "3700150" "3765285" "4524660" "4653365" "5042336" "5253559" "5320013" "5413018" "5448933" "Re34602"). PN. OR ("5692423"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/04/21 14:18
S10	0	(masuzawa and takahisa and hayashi and kazuyuki and miyashita and kinya). in.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/04/21 14:35

S11	5	(masuzawa same takahisa).in.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/04/21 14:35
S12	1	(watabe same masatoshi). in.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/04/21 14:36
S13	0	(nishimoto same eiji).in.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/04/21 14:36
S14	0	(hachikawa same shuichi). in.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/04/21 14:37
S15	0	S6 and hertz	US-PGPUB; USPAT; USOCR	OR	OFF	2008/04/21 14:45
S16	29	S6 and frequency	US-PGPUB; USPAT; USOCR	OR	OFF	2008/04/21 14:45
S17	12	S6 and ultrasonic	US-PGPUB; USPAT; USOCR	OR	OFF	2008/04/21 14:48
S18	371	(83/684).COLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/04/21 15:23
S19	632	(83/685).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/04/21 15:42
S20	616	S19 not S18	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/04/21 15:42
S21	987	S20 S18	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/04/21 16:13
S22	392	(83/686).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/04/21 16:13
S23	326	S22 not S21	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/04/21 16:14
S24	1313	S23 S21	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/04/21 16:29
S25	383	(83/687).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/04/21 16:29
S26	296	\$25 not \$24	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/04/21 16:29
S27	1609	S26 S24	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/04/21 16:34
S28	60	(83/688).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/04/21 16:35

S29	46	\$28 not \$27	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/04/21 16:35
S30	1655	S29 S27	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/04/21 16:35
S31	165	(83/689).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/04/21 16:35
S32	99	S31 not S30	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/04/21 16:35
S3 3	1754	S32 S30	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/04/21 16:37
S34	659	ultrasonic same punch	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/04/21 16:40
S35	12	(("20040061247") or ("3634916") or ("4516301") or ("4379686") or ("37970023") or ("3728062") or ("3584101") or ("4051754") or ("3716438") or ("4733519")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/04/21 17:22
S36	192	(vibration same punch) and "83".clas.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/04/21 17:26
S37	280	(kawamura same toshio). in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/04/21 17:50
S38	17	S37 and press	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/04/21 17:50

\$39	43	(US-20070069003.\$ or US- 20040168559-\$ or US- 20040112188-\$ or US- 20040112188-\$ or US- 2004010616-\$ or US- 20010006016-\$ or US- 20010006016-\$ or US- 20010006016-\$ or US- 2001006016-\$ or US- 3974728-\$ or US- 5320013-\$ or US- 5322013-\$ or US- 5322013-\$ or US- 5448933-\$ or US- 5240818-\$ or US- 5368914-\$ or US- 5368914-\$ or US- 5368913-\$ or US- 536991-\$ or US- 54056604-\$ or US- 54056604-\$ or US- 54056604-\$ or US- 54056604-\$ or JP- 5005193819-\$ or JP- 2001054895-\$ or JP- 200519319-\$ or JP- 2005193919-\$ or JP- 2005193919-\$ or JP- 2001054895-\$ or JP- 20010548900-\$ or JP- 200000000000-\$ or JP- 200000000000-\$ or JP- 200000000000-\$ or JP- 200000000000-\$ or JP- 2000000000000-\$ or JP- 2000000000000-\$ or JP- 20000000000000000-\$ or JP- 200000000000000000-\$ or JP- 2000000000000000000000000000000000000	US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT	OR	OFF	2008/04/21
S40	22	S39 and ultrasonic	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/04/21 17:57
S41	99741	("83").QLAS.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/12/02 12:40
S42	64	S41 and (ultrasonic and punch)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/12/02 12:40

S43	2	(("4343111") or ("4992639")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/12/02 12:49
S44	26	("2791066" "3699719"). PN. OR ("4343111"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/12/02 12:49
S45	1	S44 and punch	US-PGPUB; USPAT; USOCR	OR	OFF	2008/12/02 12:50
S46	22	("2676604" "3465627" "3546742" "3599623" "4051734" "4063844" "4204447" "4270559" "4331170" "4343111" "4449434" "4655480" "4667552" "4992639" "5159865"), PN. OR ("5257644"), URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/12/02 12:50
S47	44	(takahashi same noriyoshi).in.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/12/02 12:52
S48	2	S47 and (press punch)	US-PGPUB; USPAT; USOCR	OR	OFF	2008/12/02 12:52
S49	20	(kawamura same toshio). in.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/12/02 12:53
S50	287	ishii.in. and (punch punching)	US-PGPUB; USPAT; USOCR	OR	OFF	2008/12/02 12:55
S51	33	S50 and ultrasonic	US-PGPUB; USPAT; USOCR	OR	OFF	2008/12/02 12:55
S52	8	("0144286" "2791066" "4343111").PN. OR ("5303510").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/12/02 12:59
S53	12	("2034308" "2850854" "4093754" "5197234" "5303510" "5307594" "5967880" "6422920"). PN. OR ("6612906"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/12/02 13:00
S54	134	(83/356.2).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/12/02 13:13
S55	1	S54 and ultrasonic	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/12/02 13:13
S56	825	(83/660,681,682).OOLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/12/02 13:15
S57	9	S56 and ultrasonic	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/12/02 13:15
S58	1	("4160055").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/12/02 13:17

S59	10	("1716414" "3640167" "3700150" "3739669" "5156076").PN. OR ("5413018").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/12/02 13:45
S60	122	(83/956).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/12/02 14:23
S61	0	S60 and (press punch).ti.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/12/02 14:25
S62	26	S60 and (press punch)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/12/02 14:25
S63	72	(US-20070069003-\$ or US-2004016859-\$ or US-2004016859-\$ or US-2004016859-\$ or US-20040149115-\$ or US-20040149115-\$ or US-20040149115-\$ or US-20040149115-\$ or US-20040149115-\$ or US-20060096494-\$), did. or (US-6598505-\$ or US-6305258-\$ or US-6305258-\$ or US-5413018-\$ or US-5413018-\$ or US-5413018-\$ or US-5420913-\$ or US-548933-\$ or US-5448933-\$ or US-5448933-\$ or US-7024978-\$ or U	US PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/12/02

		3739669-\$ or US- 2651148-\$ or US- 2774193-\$ or US- 5774193-\$ or US- 5134911-\$ or US- 5134911-\$ or US- 3555950-\$ or US- 3817141-\$ or US- 4409659-\$ or US- 5944924-\$ or US- 6095023-\$ or US- 7047859-\$), did. or (US- 2369996-\$ or US- 2404793-\$), did. or (WO- 2005039800-\$), did. or (WO- 2005039800-\$), did. or (WO- 2005039800-\$), did. or (WO- 2005039800-\$), did. or (WO- 20051398130-\$ or JP- 2001054895-\$ or JP- 2001054895-\$ or JP- 2001054995-\$ or JP- 2010154995-\$ or JP- 2010154995-\$ or JP- 2010154995-\$ or JP- 2011054995-\$ or JP- 20110539900-A-\$ or JP- 2002028301-\$ or RU- 2183525-C-\$ or WO- 2005039900-A-\$ or JP- 2006043904-\$), did.				
S64	47	S63 and (hz hertz ultra ultrasonic)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/12/02 16:24
S65	45	S63 and (ultrasonic)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/12/02 16:24
S66	8	(ultrasonic adj oscillator) and "83".clas.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/12/02 16:27
S67	14	(ultrasonic adj oscillator) same punch	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/12/02 16:28
S68	14	("2445934" "2715440" "3468203" "3681627" "4041815" "4153080" "4343111" "4391168"). PN. OR ("4671149"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/12/02 16:31

S69	973	sonotrode	US-PGPUB; USPAT; USOCR	OR	OFF	2008/12/02 16:58
S70	51	S69 and punch	US-PGPUB; USPAT; USOCR	OR	OFF	2008/12/02 16:59
S71	19	sonotrode same punch	US-PGPUB; USPAT; USOCR	OR	OFF	2008/12/02 16:59
S72	1	("6698089").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/12/02 16:59
S73	13	sonotrode and S41	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/12/02 17:04
S74	47	sonotronic.as.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/12/02 17:09
S75	1	("20080269649").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/12/02 17:12
S76	5	(david same mead).in. and (aries same paul same arthur).in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/12/02 17:14
S77	82	(david same mead).in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/12/02 17:15
S78	8	(("5692423") or ("4132519") or ("5268343") or ("3416398") or ("4665930") or ("4227959") or ("5740712")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/12/02 17:18
S79	759	(press same (punch punching)).ti.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/12/02 17:32
\$80	4	S79 and ultrasonic	US-PGPUB; USPAT; USOCR	OR	OFF	2008/12/02 17:32
S81	13	("2299534" "2622682" "2808108" "3334809" "3641860").PN. OR ("3974728").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/12/02 18:58
S82	6	("2404793").URPN.	USPAT	OR	OFF	2008/12/02 18:59
S83	9	("4543865").URPN.	USPAT	OR	OFF	2008/12/02 19:00
S84	10	("2369896"). URPN.	USPAT	OR	OFF	2008/12/02 19:00

S85	41	("0389404" "0770239" "0927311" "1166613" "2017195" "2369896" "2372011" "2763325" "3132917" "3143026" "3189238" "3350972" "3642522" "3724305" "3777601" "3899563" "3986674" "4143569" "4148578" "4526077" "5235881" "4526077" "5412972" "5443195" "5492001" "5816093"). RN. OR ("5992280").		OR	OFF	2008/12/02 19:01
S86	122	(83/956).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/05/04 16:18
S87	32	S86 and (piezo or piezoelectric)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/05/04 16:18
S88	14	S86 and (impact)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/05/04 16:23

5/5/2009 3:52:44 PM

C:\ Documents and Settings\ jdefrank\ My Documents\ EAST\ Workspaces\ 10575550 vibrating punch.wsp